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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

3732
#4/10/02

Applicant: Zeng et al.

Title: **METHODS AND APPARATUS FOR FLUORESCENCE AND REFLECTANCE IMAGING AND SPECTROSCOPY AND FOR CONTEMPORANEOUS MEASUREMENTS OF ELECTROMAGNETIC RADIATION WITH MULTIPLE MEASURING DEVICES**

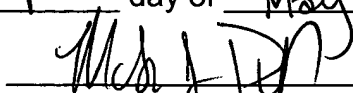
Application No.: 10/028,568

Filing Date: December 19, 2001

Attorney Docket No.: 1951-1-5

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited in the United States Postal Service as First Class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on this 1 day of May, 2002.



Signature

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR § 1.97**

TO THE COMMISSIONER FOR PATENTS:

In compliance with the duty of disclosure under 37 CFR § 1.56, Applicant submits herewith patents, publications, or other information for consideration during the examination of this application.

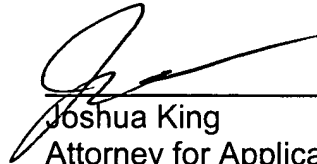
In accordance with 37 CFR § 1.97, the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made nor that the information cited in the statement is or is considered to be "material" to patentability as defined in 37 CFR § 1.56(b).

X Charge any additional fees to Deposit Account No. 07-1897

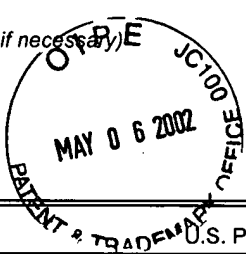
X A postcard as acknowledgement of receipt of Form PTO-1449 and copies of the documents cited in the attached form are enclosed.

Respectfully submitted,

GRAYBEAL JACKSON HALEY LLP



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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Docket Number (Optional) 1951-1-5		Application Number 10/028,568			
		RECEIVED MAY 2-0 2002 TECHNOLOGY CENTER 3700					
		Applicant(s) Haishan Zeng et al.		Filing Date December 19, 2001			
Group Art Unit							
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	4,556,057	12/3/1985	Hiruma et al.	128	303.1		
	4,782,819	11/8/1988	Adair	128	6		
	4,786,813	11/22/1988	Svanberg et al.	250	461.1		
	4,930,516	6/5/1990	Alfano et al.	128	665		
	5,042,494	8/27/1991	Alfano	128	665		
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	5,293,872	3/15/1994	Alfano et al.	128	664		
	5,348,018	9/20/1994	Alfano et al.	128	665		
	5,413,108	5/9/1995	Alfano	128	665		
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
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	AU2474899A1	8/9/1999	Australia (Bibliographic data)	A61B	5/00	X	
	DE19646176A1	5/15/1997	Germany (Bibliographic data)	A61B	1/06	X	
	DE19819516A1	11/12/1998	Germany (Bibliographic data)	A61B	6/00	X	
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	JP10014869A2	1/20/1998	Japan (Abstract only)	A61B	1/06	X	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	Jianan Qu, Calum MacAulay, Stephen Lam, Branko Palcic, Haishan Zeng, "Fluorescence in normal and carcinoma bronchial tissue", SPIE 2134A, 236-246 (1994).						
	Jianan Qu, Calum MacAulay, Stephen Lam and Branko Palcic. "Laser-induced Fluorescence Spectroscopy at Endoscopy", SPIE 2133, 162-169 (1994).						
EXAMINER				DATE CONSIDERED			
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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block; text-align: center;"> OIPE MAY 06 2002 PATENT & TRADEMARK OFFICE </div> (Use several sheets if necessary)		Docket Number (Optional) 1951-1-5		Application Number 10/028,568 <div style="font-size: 2em; font-weight: bold; text-align: center;">RECEIVED</div> <div style="text-align: center;">MAY 20 2002</div>	
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		Filing Date December 19, 2001			
				Group Art Unit	

U.S. PATENT DOCUMENTS						
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	5,507,287	4/16/1996	Palcic et al.	128	633	
	5,590,660	1/7/1997	MacAulay et al.	128	664	
	5,647,368	7/15/1997	Zeng et al.	128	665	
	5,675,378	10/7/1997	Takasugi et al.	348	65	
	5,701,903	12/30/1997	Sano et al.	128	665	
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	5,769,792	6/23/1998	Palcic et al.	600	477	
	5,772,580	6/30/1998	Utsui et al.	600	160	
	5,827,190	10/27/1998	Palcic et al.	600	476	
	5,879,284	3/9/1999	Tsujita	600	109	

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	JP10024010A2	1/27/1998	Japan (Abstract only)	A61B	1/00	X	
	JP10057300A2	3/3/1998	Japan (Abstract only)	A61B	1/00	X	
	JP10127563A2	5/19/1998	Japan (Abstract only)	A61B	1/00	X	
	JP10151104A2	6/9/1998	Japan (Abstract only)	A61B	1/00	X	
	JP10165365A2	6/23/1998	Japan (Abstract only)	A61B	1/04	X	

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		Stephen Lam, Calum MacAulay, Jean LeRiche, Norihiko Ikeda and Branko Palcic, "Fluorescence imaging of early lung cancer", SPIE 2324, 2-7 (1994).
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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 10px auto;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">PATENT & TRADEMARK OFFICE</div> <div style="text-align: center;"> <div style="font-size: 20px; font-weight: bold;">O I P E</div> <div style="font-size: 10px;">(Use several sheets if necessary)</div> <div style="font-weight: bold;">MAY 06 2002</div> </div> <div style="writing-mode: vertical-rl; font-size: 8px;">JC100</div> </div>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Docket Number (Optional) 1951-1-5</td> <td style="width: 70%;">Application Number 10/028,568</td> </tr> <tr> <td colspan="2" style="text-align: center; font-size: 24px; font-weight: bold;">RECEIVED</td> </tr> <tr> <td colspan="2">Applicant(s) Haishan Zeng et al.</td> </tr> <tr> <td>Filing Date December 19, 2001</td> <td>Group Art Unit TECHNOLOGY CENTER H3700</td> </tr> </table>		Docket Number (Optional) 1951-1-5	Application Number 10/028,568	RECEIVED		Applicant(s) Haishan Zeng et al.		Filing Date December 19, 2001	Group Art Unit TECHNOLOGY CENTER H3700
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	5,891,016	4/6/1999	Utsui et al.	600	181	
	5,971,918	10/26/1999	Zanger	600	160	
	5,984,861	11/16/1999	Crowley	600	175	
	5,999,844	12/7/1999	Gombrich et al.	600	476	
	6,008,889	12/28/1999	Zeng et al.	356	73	
	6,021,344	2/1/2000	Lui et al.	600	476	
	6,028,622	2/22/2000	Suzuki	348	65	
	6,148,227	11/14/2000	Wagnieres et al.	600	476	
	6,161,035	12/12/2000	Furusawa	600	476	
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	JP10201707A2	8/4/1998	Japan (Abstract only)	A61B	1/04	X	
	JP10225426A2	8/25/1998	Japan (Abstract only)	A61B	1/00	X	
	JP10295632A2	11/10/1998	Japan (Abstract only)	A61B	1/04	X	
	JP10328129A2	12/15/1998	Japan (Abstract only)	A61B	1/00	X	
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	Jianan Qu, Calum MacAulay, Stephen Lam and Branko Palcic, "Mechanisms of ratio fluorescence imaging of diseased tissue," SPIE 2387, 71-79 (1995).
	Jianan Qu, Calum MacAulay, Stephen Lam and Branko Palcic, "Laser-induced fluorescence spectroscopy at endoscopy: tissue optics, Monte Carlo modeling, and in vivo measurements", Optical Engineering 34:11, 3334-3343 (1995).

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Docket Number (Optional)
1951-1-5

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Haishan Zeng et al.

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Japan (Abstract only)

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Naser Awadh, Calum MacAulay and Stephen Lam, "Detection and Treatment of Superficial Lung Cancer by Using delta Aminolevulinic Acid: A Preliminary Report", J. Bronch. 4:1, 13-17 (1997).

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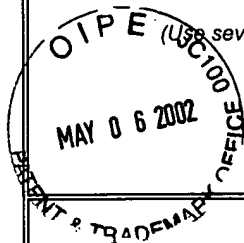
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		Haishan Zeng, Alan Weiss, Richard Cline and Calum E. MacAulay, "Real - time endoscopic fluorescence imaging for early cancer detection in the gastrointestinal tract", Bioimaging 6, 151-165 (1998).
		Stephen Lam and Calum MacAulay, "Endoscopic Detection of Preneoplastic Lesions", Lung Tumors: Fundamental Biology & Clinical Management, ed. Brambilla, Marcel Dekker, 473-480 (1998).

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	JP8224240A2	9/3/1996	Japan (Abstract only)	A61B	10/00	X
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	JP9131306A2	5/20/1997	Japan (Abstract only)	A61B	1/04	X
	JP9131307A2	5/20/1997	Japan (Abstract only)	A61B	1/04	X
	JP9131308A2	5/20/1997	Japan (Abstract only)	A61B	1/04	X
	JP9131349A2	5/20/1997	Japan (Abstract only)	A61B	17/22	X
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
		Haishan Zeng, Calum E. MacAulay, Stephen Lam and Branko Palcic, "Light induced fluorescence endoscopy (LIFE) imaging system for early cancer detection", SPIE 3863, 275-282 (1999).				
		Haishan Zeng, Alan Weiss and Calum MacAulay, "System for Fast Measurements of in Vivo Fluorescence Spectra of the Gastrointestinal Tract at Multiple Excitation Wavelengths", Applied Optics 38, 7157-7158 (1999).				
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	JP09131305A2	5/20/1997	Japan (Abstract only)	A61B	1/04	X	
	WO 99/16344	08/04/1999	PCT	A61B	5/00		
	WO 99/37204	29/07/1999	PCT	A61B	5/00		
	WO 99/39626	12/08/1999	PCT	A61B	5/00	Abstract	
	WO 00/21576	20/04/2000	PCT	A61K	49/00		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Circon advertisement "Selected laparoscopic Products" http://www.circoncorp.com/products/lapr/p-lapr-selected.html July 5, 2001

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